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Attorney Docket No: 42.P13656

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent  
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SEP 25 2003

In re Application of:  
Alex A. Lopez-Estrada

Examiner: Unknown

Technology Center 2600

Application No.: 10/071,653

Art Unit: Unknown

Filing Date: February 7, 2002

For: Audio Coding and Transcoding Using Perceptual  
Distortion Templates

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage in an envelope addressed to the Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450

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Debra L. Milbourne  
Signature  
Date 9/18/03

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The assignee, Intel Corporation, of the above-identified Patent Application, hereby revokes all previous powers of attorney given in this Patent Application, and appoints the firm identified below and individual.

Intel Corporation, a corporation, certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of an Assignment from the inventor(s) of the patent application identified above. The Assignment was recorded in the Patent and Trademark Office at Reel\_\_\_\_, Frame\_\_\_\_, or when the Assignment has not yet been recorded, a copy thereof is attached.

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with offices located at 12400 Wilshire Boulevard, 7th Floor, Los Angeles, California 90025, telephone (310) 207-3800, and Alan K. Aldous, Reg. No. 31,905; Rob D. Anderson, Reg. No. 33,826, Jay P. Beale, Reg. No. 50,901; Shireen I. Bacon, Reg. No. 40,494; R. Edward Brake, Reg. No. 37,784; Ben Burge, Reg. No. 42,372; Robert Chang, Reg. No. 48, 765; George Chen, Reg. No. 50,807; Glen B. Choi, Reg. No. 43,546; Kenneth Cool, Reg. No. 40,570; Ted A. Crawford, Reg. No. 50,610; Robert Diehl, Reg. No. 40,992; Jeffrey S. Draeger, Reg. No. 41,000; Cynthia Thomas Faatz, Reg. No. 39,973; Christopher Gagne, Reg. No. 36,142; Sharmini N. Green, Reg. No. 41,410; Robert Greenberg, Reg. No. 44,133; Bradley Greenwald, Reg. No. 34,341; Jeffrey B. Huter, Reg. No. 41,086; Seth Z. Kalson, Reg. No. 40,670; John F. Kacvinsky, Reg. No. 40,040; Peter Lam, Reg. No. 44,855; Issac Lin, Reg. No. 50,672; David C. Lundmark, Reg. No. 42,815; Anthony Martinez, Reg. No. 44,223; Larry Mennemeier, Reg. No. 51,003; Paul Nagy, Reg. No. 37,896; Michael J. Nesheiwat, Reg. No. 47,819; Dennis A. Nicholls, Reg. No. 42,036; Lanny Parker, Reg. No. 44,281; Michael D. Plimier, Reg. No. 43,004; Michael Proksch, Reg. No. 43,021; Kevin A. Reif, Reg. No. 36,381; Crystal D. Sayles, Reg. No. 44,318; Kenneth M. Seddon, Reg. No. 43,105; Mark Seeley, Reg. No. 32,299; Ami P. Shah, Reg. No. 42,143; David Simon, Reg. No. 32,756; Steven P. Skabrat, Reg. No. 36,279; Howard A. Skaist, Reg. No. 36,008; Paul E. Steiner, Reg. No. 41,326; Joni D. Stutman-Horn, Reg. No. 42,173; David Tran, John F. Travis, Reg. No. 43,203; Reg. No. 50,804; Robert G. Winkle, Reg. No. 37,474; Sharon Wong, Reg. No. 37,760; Steven D. Yates, Reg. No. 42,242; Calvin E. Wells; Reg. No. 43,256; Michael Willardson, Reg. No. 50,856 and Charles K. Young, Reg. No. 39,435; my patent agents, of INTEL CORPORATION; and James R. Thein, Reg. No. 31,710, my patent attorney; with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith.

The individual whose signature appears below is authorized to execute this Power of Attorney on behalf of Intel Corporation.

Please direct all communications concerning this Application to:

**Kenneth J. Cool**  
c/o BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP  
12400 Wilshire Boulevard, Seventh Floor  
Los Angeles, CA 90025  
(408) 720-8300

Date: September 16, 2003

By: Pam Matlock  
Pam Matlock  
Secretary of Patents  
Intel Corporation

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SIR: PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS OR COPY THEREOF.

1. NAME OF CONVEYING PARTY(IES) (ASSIGNORS(S)):

1. **Alex LOPEZ-ESTRADA**

3.

5.

7.

2.

4.

6.

8.

ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED? ☐ YES ☒ NO

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2. PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST:

NAME: **INTEL CORPORATION**

ADDRESS: 2200 Mission College Blvd., Santa Clara, CA 95054

ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED? ☐ YES ☒ NO

3. NATURE OF CONVEYANCE (DOCUMENT):

(Submit herewith only one document for recordation—multiple copies of same Assignment signed by different inventors is one document)

☒ ASSIGNMENT OF ☒ WHOLE ☐ PART INTEREST  
☐ ORIGINAL ☐ FACSIMILE/PHOTOCOPY  
☐ CHANGE OF NAME ☐ VERIFIED TRANSLATION  
☐ SECURITY ☐ MERGER ☐ OTHER:

EXEC. DATE: January 23, 2002

EXECUTION DATE(S) ON THE DECLARATION IF FILED HEREWITH: (NOTE: IF DATES ON DECLARATION AND ASSIGNMENT DIFFER SEE ATTY!)

4.5 APPL. NO.(S) OR PAT NO.(S). OTHERS ON ADDITIONAL SHEET(S) attached? ☐ YES ☐ NO

A. PAT. APP. NO.(S) series code/serial no	M#	1 <sup>st</sup> INVENTOR if not in item 1	B. PATENT NO(S)	M#	1 <sup>st</sup> INVENTOR if not in item 1

5. Name & Address of Party to Whom Correspondence  
Concerning Document Should be Mailed:

**Pillsbury Winthrop LLP**  
**Intellectual Property Group**  
725 South Figueroa Street, Suite 2800  
Los Angeles, CA 90017-5406

6. NUMBER INVOLVED:

APPLNS 1 + PATS 0 = TOTAL = 1

7. AMOUNT OF FEE ENCLOSED: (Code 581)  
ABOVE TOTAL x \$40 = \$40

5.5 ATTY DKT:

P 249767

P13656

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Signature

Attorney: Roger R. Wise

Reg. No. 31204

Atty/Sec: RRW/sjb

TEL: (213) 488-7584

Date: February 7, 2002

FAX: (213) 629-1033

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Atty. Dkt.	W 249767	P13656
	M#	Client Ref.

**ASSIGNMENT**  
**of U.S. Origin Patent Application**

WHEREAS, the undersigned, to wit:

- |                          |    |
|--------------------------|----|
| 1) Alex A. LOPEZ-ESTRADA | 2) |
| 3)                       | 4) |
| 5)                       | 6) |
| 7)                       | 8) |

(hereinafter collectively ASSIGNOR), has/have made an invention known as Dkt. 81674-249767

and entitled: **AUDIO CODING AND TRANSCODING USING PERCEPTUAL DISTORTION TEMPLATES**

for which an application for Letters Patent of the United States

☒ was executed even date herewith and is about to be filed in the United States Patent and Trademark Office;

☐ was filed on \_\_\_\_\_, Appln. No. \_\_\_\_\_ / \_\_\_\_\_ ;

**AND WHEREAS INTEL CORPORATION**

(hereinafter ASSIGNEE), duly organized and existing under the laws of the State of Delaware

2200 Mission College Boulevard, Santa Clara, CA

and having its principal office and place of business at 95054

desires to acquire an interest therein;

NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR, does hereby sell, assign and transfer unto ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right, title and interest to the said invention in the United States and all foreign countries, as described in the aforesaid application, and to the said application and to all continuations, divisions, reissues and substitutes of said application, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and ASSIGNOR hereby authorizes and requests the Commissioner of Patents to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives.

AND ASSIGNOR hereby agrees to execute any papers requested by ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

ASSIGNOR furthermore agrees upon request of said ASSIGNEE, and without further remuneration, to execute any and all papers desired by said ASSIGNEE for the filing and granting of foreign applications and the perfecting of title thereto in said ASSIGNEE.

NOTE: The undersigned hereby authorizes Pillsbury Winthrop LLP of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

Executed on the date(s) below indicated.

Signature

Date Signed

1)   
Name: Alex A. Lopez-Estrada

